Listing of Claims:

1. (Currently Amended) A drive control method ~~of~~ for a photosensor array including a plurality of rows, each having a plurality of photosensors arranged to form a matrix, the method comprising a driving sequence which includes:

~~a first step for~~ applying a reset pulse to a predetermined row of ~~said~~ the photosensor array ~~so as~~ to initialize the ~~plural~~ plurality of photosensors in ~~said~~ the row;

accumulating charges generated by light irradiation during a charge accumulation period;

applying a predetermined pre-charge pulse to the plurality of photosensors during a pre-charge operation; and

~~a second step of~~ applying a read pulse to the ~~plural~~ plurality of photosensors of ~~said~~ the row after completion of ~~said~~ the initialization, after ~~a~~ the charge accumulating period ~~for accumulating charges generated by light irradiation~~, and after ~~a~~ the pre-charge operation ~~in which a predetermined pre-charge pulse is applied to said plurality of photosensors~~, to output ~~the~~ a voltage generated by the charges accumulated during ~~said~~ the charge accumulating period as an output voltage; [[,]]

wherein ~~the~~ timings of applying the reset pulse, the pre-charge pulse and the read pulse ~~for~~ to each row are set not to overlap in time with each other, ~~and~~ the charge accumulating

periods for the rows are set to have a period equal to one of an application time and an integer multiple of the application time of the read pulse for each row, and the charge accumulating periods have an overlapping period between at least two different rows.

2. (Currently Amended) The drive control method for a photosensor system according to claim 1, wherein ~~said~~ the reset pulses are successively applied to the rows of the photosensor array ~~in said first step so as~~ to successively initialize ~~said~~ the plurality of photosensors, and

wherein the read pulses are successively applied to ~~said~~ the plurality of photosensors ~~in said second step~~ after ~~said~~ the initialization, after ~~a predetermined~~ the charge accumulating period and after completion of the pre-charge operation, ~~performed by said pre-charge pulse~~ to output successively the voltages generated by the charges accumulated during ~~said~~ the charge accumulating period as the output voltages.

3. (Currently Amended) The drive control method for a photosensor system according to claim 2, wherein ~~the applying~~ an application period of ~~said~~ the pre-charge pulse and ~~said~~ the read pulse for each row ~~in said second step~~ is equal to or longer than

~~the~~ a sum of ~~the~~ a pulse width of the pre-charge pulse and ~~the~~ a pulse width of the read pulse.

4. (Currently Amended) The drive control method for a photosensor system according to claim 2, wherein ~~the applying~~ an application period of ~~said~~ the reset pulse for each row ~~in said first step~~ and ~~the applying~~ an application period of ~~said~~ the pre-charge pulse and ~~said~~ the read pulse for each row ~~in said second step is~~ are equal to or longer than ~~the~~ a sum of ~~the~~ a pulse width of the pre-charge pulse and ~~the~~ a pulse width of the read pulse.

5. (Currently Amended) The drive control method for a photosensor system according to claim 2, wherein ~~the applying~~ an application period of ~~said~~ the reset pulse for each row ~~in said first step~~ and ~~the applying~~ an application period of ~~said~~ the pre-charge pulse and ~~said~~ the read pulse for each row ~~in said second step is~~ are equal to or longer than ~~the~~ a sum of ~~the~~ a pulse width of the reset pulse ~~in the first step~~, ~~the~~ a pulse width of the pre-charge pulse and ~~the~~ a pulse width of the read pulse ~~in said second step~~.

Claim 6 (Canceled).

7. (Currently Amended) The drive control method for a photosensor system according to claim 1, wherein each of ~~said photosensor~~ the photosensors comprises a source electrode and a drain electrode arranged with a channel region ~~consisting of~~ comprising a semiconductor layer interposed therebetween, and a first electrode and a second electrode formed at least above and below ~~said~~ the channel region with insulating layers interposed therebetween, and wherein the charges are generated and accumulated in an amount corresponding to ~~the~~ an amount of light irradiating ~~said~~ the channel region.

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8. (Currently Amended) The drive control method for a photosensor system according to claim 7, wherein ~~said~~ the reset pulse is applied to ~~said~~ the first electrode of ~~said~~ the photosensor ~~in said first step~~ to initialize ~~said~~ the photosensor; and

~~said~~ the pre-charge pulse is applied to ~~said~~ the drain electrode of the photosensor ~~in the second step~~, and ~~said~~ the read pulse is applied to ~~said~~ the second electrode of the photosensor after completion of the pre-charge operation ~~performed by application of the pre-charge pulse~~ to output ~~the~~ a voltage of the drain electrode as ~~an~~ the output voltage.

9. (Currently Amended) The drive control method for a photosensor system according to claim 1, wherein ~~the applying~~ an application period of ~~said~~ the pre-charge pulse for each row and ~~said~~ the read pulse ~~in said second step~~ is equal to or an integer number times as long as ~~the~~ a sum of ~~the~~ a pulse width of the pre-charge pulse and ~~the~~ a pulse width of the read pulse ~~in said second step~~.

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10. (Currently Amended) The drive control method for a photosensor system according to claim 9, wherein ~~said~~ the charge accumulating periods for the rows ~~in said second step~~ are equal to or an integer number times as long as said sum and are set different from each other depending on the rows.

11. (Currently Amended) The drive control method for a photosensor system according to claim 9, wherein ~~said~~ the reset pulses are simultaneously applied to the rows of ~~said~~ the photosensor array ~~in said first step~~, ~~and said~~ the pre-charge pulses are applied ~~in said second step~~ at the time interval equal to or an integer number times as long as said sum, and ~~said~~ the read pulses are applied to each row, and wherein the charge accumulating period for each row is set to a different time.

12. (Currently Amended) The drive control method for a photosensor system according to claim 9, wherein ~~said~~ the reset pulses are applied ~~in said first step~~ to each row of ~~said~~ the photosensor array at the time interval equal to or an integer number times as long as said sum and, after completion of the reset pulse application to all the rows, ~~said~~ the pre-charge pulses are applied ~~in said second step~~ and the read pulses are applied to each row in ~~the~~ an order opposite to ~~the~~ an order of applying the reset pulses to each row of the photosensor array ~~in the first step~~.

13. (Currently Amended) The drive control method for a photosensor system according to claim 9, wherein ~~said~~ the reset pulses are successively applied ~~in said first step~~ to each row of ~~said~~ the photosensor array at the time interval equal to or an integer number times as long as said sum;

wherein ~~said~~ the pre-charge pulses are applied ~~in said second step~~ in synchronism with the application of the reset charges ~~said first step~~, and the read pulses are applied to each row in ~~the~~ an order opposite to ~~the~~ an order of applying the reset pulses to each row of the photosensor array ~~in the first step~~; and

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wherein after completion of ~~the~~ a pre-charge voltage application and the read pulse application, and after a lapse of time equal to said sum ~~of time~~, ~~said~~ the pre-charge pulses are applied and the read pulse is applied again to each row in ~~the~~ an order equal to the order of applying the read pulse to each row at the time interval equal to or an integer number times as long as said sum ~~of time~~.